

Abstract of the DisclosureONE-WAY VALVE WITH POPPET MEMBER

The valve includes a supply portion, a delivery portion and an intermediate fluid chamber; a poppet member is positioned within the fluid chamber and is adapted to move within the chamber, the poppet including a conical seating surface and a rim portion, the rim portion having openings therethrough into the open interior of the poppet, allowing for forward fluid flow through the poppet. A delivery poppet seat and a supply poppet seat are defined at opposite ends of the fluid chamber. The delivery poppet seat is configured so that when the rim portion of the poppet contacts the delivery seat, fluid flow in the forward direction is permitted. The supply poppet seat is configured such that when the conical seating surface of the poppet member contacts the supply poppet seat, backflow through the valve is substantially prevented.